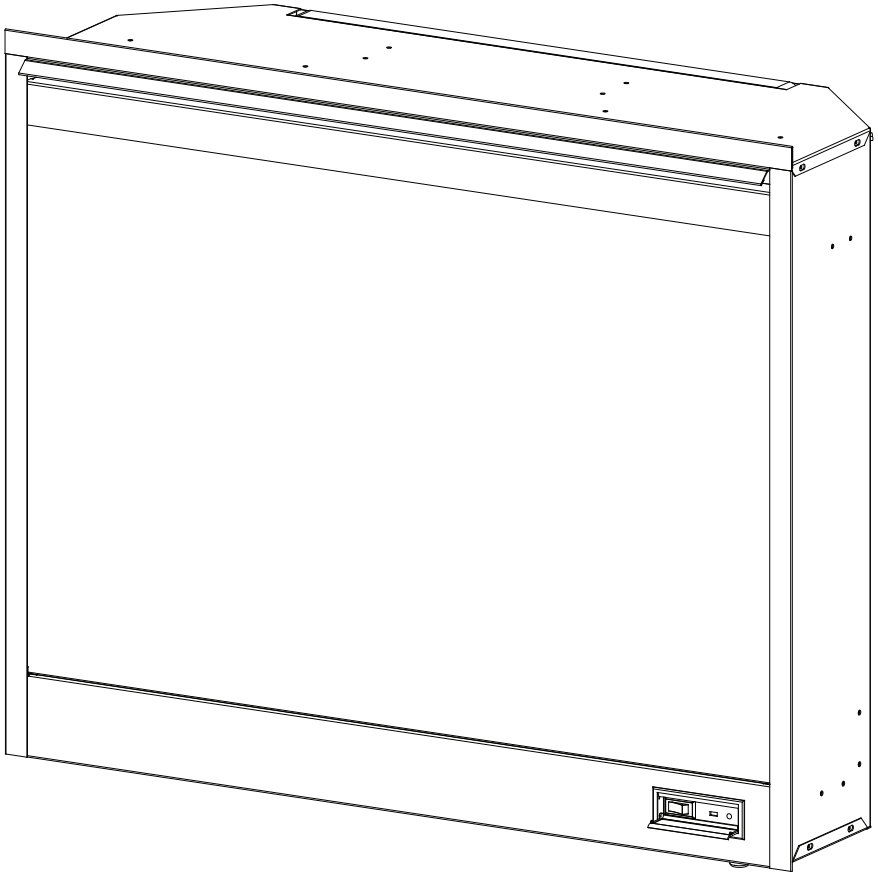
Dimplex® The world leader in electric fireplaces.

Service Manual

30” Self Trimming Fireplace Purifire™ and Mid-line Remote

Model Numbers:

DF3015 - MOD / to C
DFB8842 - MOD /



REV	PCN	DATE
00		Feb 28, 07
01		Jul 22, 09
02	1111	Oct 21, 09
03	11873	Feb 11, 10

Dimplex North America Limited
1367 Industrial Road • Cambridge ON Canada N1R 7G8
1-888-346-7539 • www.dimplex.com

In keeping with our policy of continuous product development, we reserve the right to make changes without notice.

Table Of Contents

Operation . . . . . **Page 3**

DF3015 Exploded Parts Diagram and Parts List . . . . . **Page 5**

DF3015 Wiring Diagram and Schematic . . . . . **Page 6**

DFB8842 Exploded Parts Diagram and Parts List . . . . . **Page 7**

DFB8842 Wiring Diagram and Schematic . . . . . **Page 8**

Front Glass Replacement . . . . . **Page 9**

Light Bulb Replacement . . . . . **Page 9**

Mirror Replacement . . . . . **Page 10**

Main On/Off Switch and Remote Switch Board Replacement . . . . . **Page 11**

Flicker Motor/Flicker Rod Replacement . . . . . **Page 11**

Remote Control Board Replacement . . . . . **Page 12**

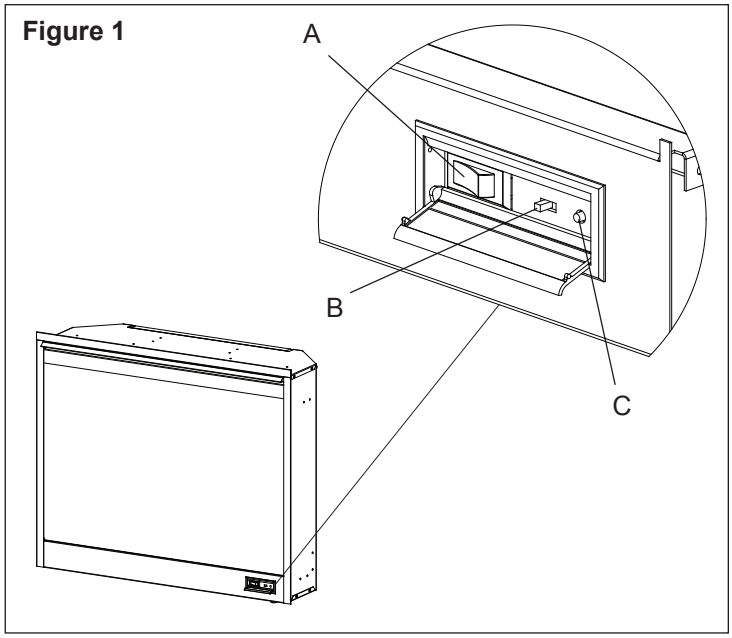
Heater Assembly and Cutout Replacement . . . . . **Page 13**

Power Cord Replacement . . . . . **Page 14**

Operation

The manual controls for the fireplace are located in the lower right hand corner (Figure 1).

Figure 1



A. Main On/Off Switch

Supplies power to the Three Position Manual Control Switch.

B. Three Position Manual Control Switch

Remote (right position): The unit is operated with the remote control.

Flame (center position): The flame effect is turned on.

Flame & Heat (left position): The flame effect and heater are turned on simultaneously. When the manual control is in the **Flame & Heat** position the heater does not run on the remote operated thermostat.

! **NOTE:** When the manual control switch is in the **Flame** and **Flame & Heat** positions, the fireplace unit will not operate with the remote control.

C. Initialization Button

Used to synchronize the supplied remote control with the fireplace.

Remote Control

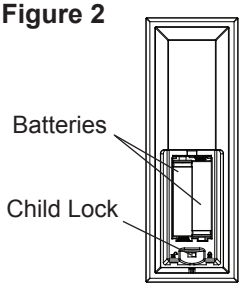
The remote control has a range of approximately 50 feet (15.25 m), it does not have to be pointed at the fireplace and can pass through most obstacles (including walls). It is supplied with 243 independent frequencies to prevent interference with other units.

Battery Installation/Replacement

1. Depress tab on the battery cover on the back of the remote transmitter and remove battery cover.
2. Install/replace two (2) AAA batteries into the remote control.
3. Ensure Child Lock is in the “unlocked” position (Figure 2).
4. Replace the battery cover.

! **NOTE:** When the “**BAT**” symbol is present on the remote control it is recommended to replace the batteries promptly, to maintain full functionality of the remote/ fireplace. The remote transmitter has a battery backup time of only several hours.

Figure 2



Remote Control Initialization

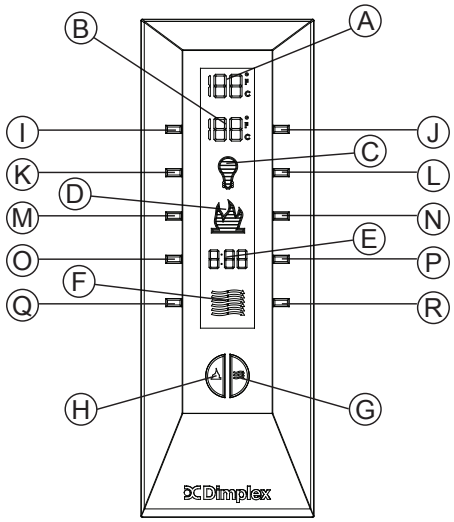
1. Plug cord into a 120 Volt wall outlet.
2. Ensure the Main On/Off Switch located in the switch box on the fireplace in the lower right hand corner is in the On ━ position.
3. Set the Three Position Manual Control (Figure 1B) to the **Remote** position (right position).
4. Press and hold the Initialization Button on the unit (Figure 1C).
5. While holding the Initialization Button, press the Flame/ Heat On/Off button or the Purifire™ On/Off button on the remote control transmitter.
6. Release the Initialization Button on the unit.
7. Press the Flame/Heat On/Off button to turn the Flame/ Heat function on or press the Purifire™ On/Off button to turn the Purifire™ function on.

Resetting the Temperature Cutoff Switch

Should the heater overheat, an automatic switch will turn the heater off and it will not come back on without being reset. The temperature cutoff switch can be reset by unplugging the unit, waiting five (5) minutes and plugging the unit back in.

⚠ **CAUTION:** If you need to continuously reset the heater, unplug the unit and call Dimplex North America Limited at 1-888-346-7539. Please have your model and serial number ready when calling.

Remote Control Functions



A. Room Temperature
B. Set Temperature
C. Light Dimmer Control
D. Flame Speed Control
E. Sleep Timer
F. Purifire™
G. Purifire™ On/Off
H. Flame & Heat On/Off
I. Temperature Down
J. Temperature Up
K. Dimmer Down
L. Dimmer Up
M. Flame Speed Down
N. Flame Speed Up
O. Sleep Timer Down
P. Sleep Timer Up
Q. Purifire™ Speed Down
R. Purifire™ Speed Up

B. Set Temperature

Press **H. Flame & Heat On/Off** button to turn fireplace on. Press **J. Temperature Up** to raise thermostat, or **I. Temperature Down** to lower the thermostat. Press both **J. Temperature Up** and **I. Temperature Down** to change °F to °C.

C. Light Dimmer Control

While the fireplace is running, repeatedly press the **L. Dimmer Up** or **K. Dimmer Down** button to increase or decrease the brightness of the upper lights.

D. Flame Speed Control

While the fireplace is running, press the **N. Flame Speed Up** button to increase the speed of the flame or press the **M. Flame Speed Down** to decrease the speed of the flame.

E. Sleep Timer

The Sleep Timer automatically shuts off the fireplace after a preset time (from 30 minutes to 8 hours).

During fireplace operation, to set the sleep timer press the **P. Sleep Timer Up** button. Set the timer from 30 minutes through 8 hours. The fireplace will automatically turn off when the sleep timer reaches zero (0) minutes.

The sleep timer can be cancelled at any time by pressing the **O. Sleep Timer Down** button repeatedly until the sleep timer displays “0”.

F. Purifire™

Press the **G. Purifire™ On/Off** button to turn the Purifire™ function on. When the Purifire™ function is on, the Purifire™ symbol will flash. When off, the symbol will be solid.

The default setting for the Purifire™ is set at low speed. Press the **Q. Purifire™ Speed Down** or the **R. Purifire™ Speed Up** buttons to change between low and high speeds. Press the **G. Purifire™ On/Off** button to turn the Purifire™ function off.

H. Flame & Heat On/Off Button

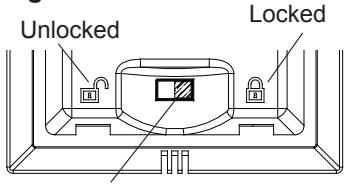
Press the **H. Flame & Heat On/Off** button to turn the Flame/Heat function on. When **B. Set Temperature** is higher then **A. Room Temperature** the heat will come on. To turn the heat off, lower the **B. Set Temperature** so that it’s setting is lower then the **A. Room Temperature**. The default temperature setting is 72°F (22°C).

! **NOTE:** When using the remote control the heater runs on a thermostat. Press the **J. Temperature Up** or **I. Temperature Down** buttons to adjust the set temperature. Once the desired set temperature is reached the heater will turn off. The heater will cycle **on** and **off** to maintain the desired set temperature.

Child Lock (Figure 3)

1. Depress tab on the battery cover on the back of the remote transmitter and remove the battery cover.
2. Move Child Lock tab to the right to lock the remote transmitter.
3. Move Child Lock tab back to the left to unlock the remote.
4. Replace the battery cover.

Figure 3



! **NOTE:** To temporarily unlock the remote transmitter press (in order) **I. Temperature Down** then **J. Temperature Up** then **K. Dimmer Down**.

When the remote transmitter’s backlight is illuminated the **Child Lock** is bypassed. When the backlight is off the **Child Lock** is re-activated.

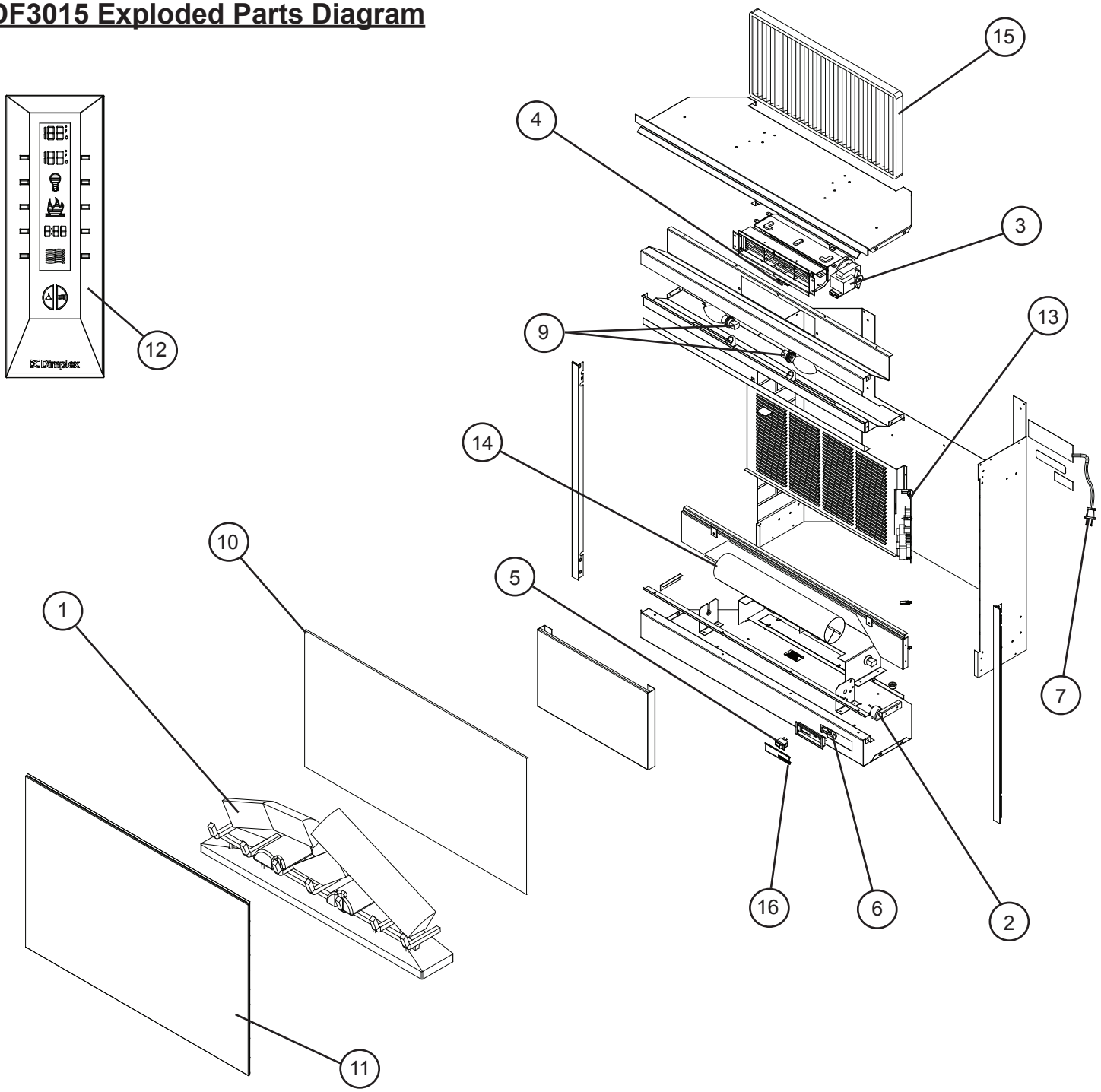
Frequency Interference

If the fireplace does not respond properly to the remote control, the remote operating frequency may have to be reset. The remote control can send another frequency code to the circuit board to eliminate interference.

1. Simultaneously press the **O. Sleep Timer Down** button and the **Q. Purifire™ Speed Down** button on the remote control.
2. “**COD**” will appear in place of the sleep timer digits.
3. Release the **O. Sleep Timer Down** button and the **Q. Purifire™ Speed Down** button.
4. Press the Initialization button on the unit (Figure 3C).
5. Press the **H. Flame & Heat On/Off** button on the remote.

Your remote will now have a different frequency communicating with the fireplace.

DF3015 Exploded Parts Diagram



Replacement Parts List

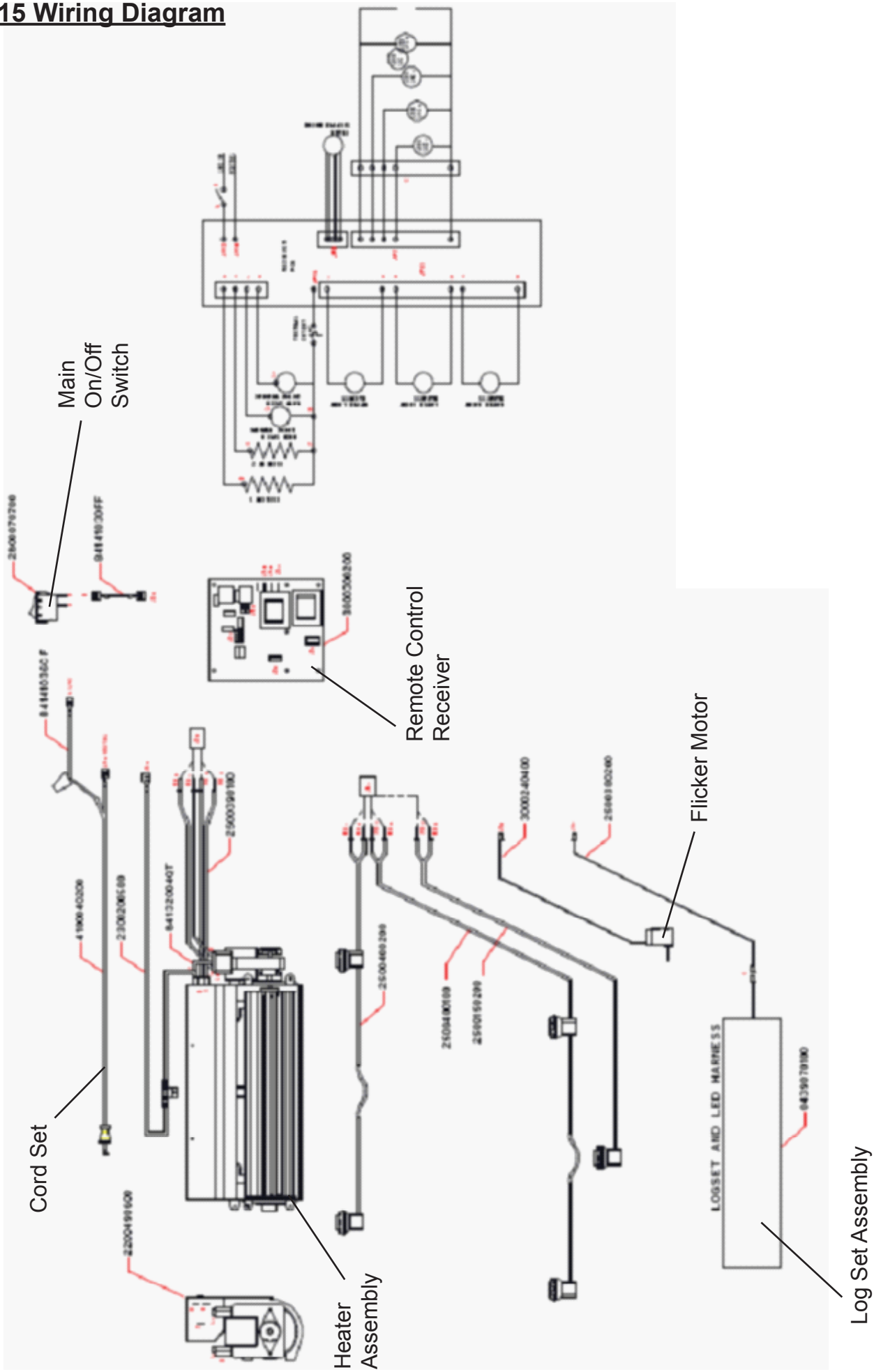
DF3015

Part Number **6903020159**

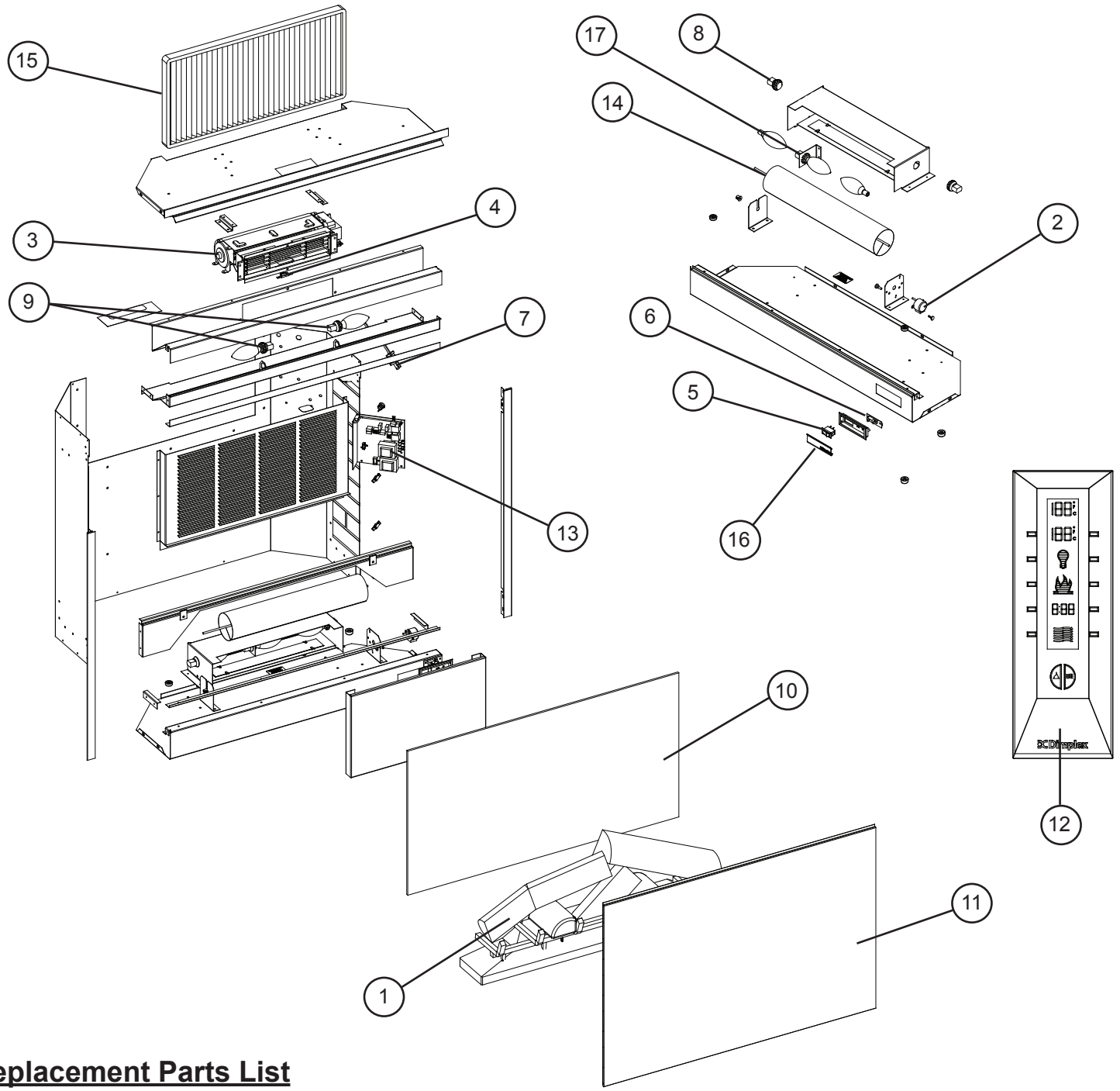
Replacement Part:

1. Log Set Assembly 0439070100RP
2. Flicker Motor 3000240200KIT
3. Heater Assembly 2200490600RP
4. Cutout 2300270300RP
5. Main On/Off Switch 2800070700RP
6. Remote Switch Board 3000300300RP
7. Cord Set 4100040500RP
8. Lower Light Wire Harness 2500400100RP
9. Upper Light Wire Harness 2500400200RP
10. Mirror 5900680100RP
11. Front Glass 5900310400RP
12. Remote Transmitter 3000300100RP
13. Remote Receiver 3000300200RP
14. Flicker Rod 5900080700RP
15. Purifire™ Filter 0439060100RP
16. Switch Housing Door 0439210200RP
17. Wire Harness - 1 socket 2500150200RP
18. Fireplace Foot 8800090100RP

DF3015 Wiring Diagram



DFB8842 Exploded Parts Diagram



Replacement Parts List

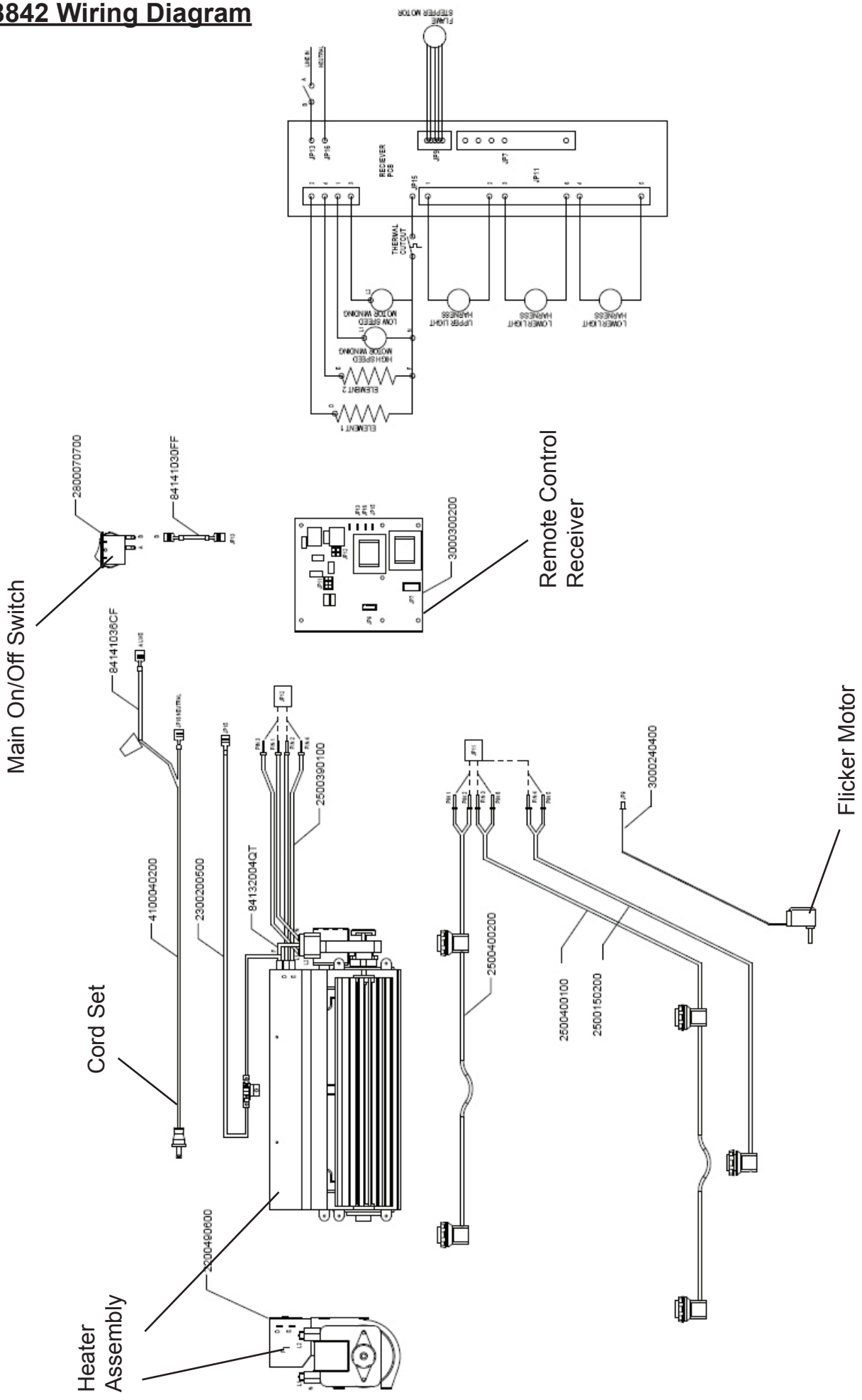
DFB8842

Part Number **6903020359**

Replacement Part:

1. Log Set Assembly 0438550100RP
2. Flicker Motor 3000240200KIT
3. Heater Assembly 2200490600RP
4. Cutout 2300270300RP
5. Main On/Off Switch 2800070700RP
6. Remote Switch Board 3000300300RP
7. Cord Set 4100040500RP
8. Lower Light Wire Harness 2500400100RP
9. Upper Light Wire Harness 2500400200RP
10. Mirror 5900680100RP
11. Front Glass 5900310500RP
12. Remote Transmitter 3000300100RP
13. Remote Receiver 3000300200RP
14. Flicker Rod 5900080700RP
15. Purifire™ Filter 0439060100RP
16. Switch Housing Door 0439210200RP
17. Wire Harness - 1 socket 2500150200RP
18. Fireplace Foot 8800090100RP

DFB8842 Wiring Diagram



Front Glass Replacement

If unit was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

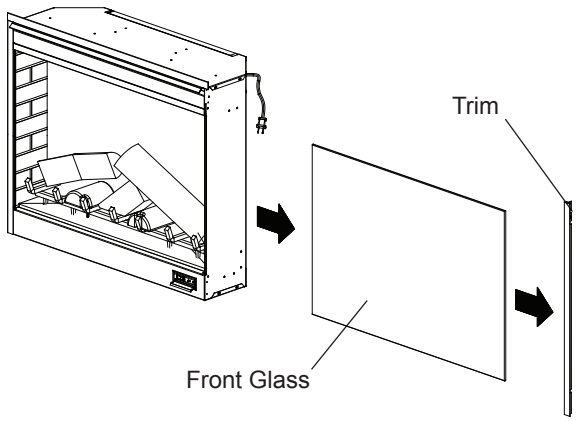
Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Replacement Procedure

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from right side of Trim (Figure 4).
4. Remove Trim.
5. Slide glass to the right side of the firebox to remove (Figure 4).
6. Reassemble using replacement Front Glass in reverse order as described above.

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck or dropped. Care must be taken when handling the glass.

Figure 4



Light Bulb Replacement

Allow at least five (5) minutes for the light bulbs to cool before touching them to avoid accidental burning of the skin. The light bulbs need to be replaced when you notice a dark section of the flame or when the clarity and detail of the log ember bed exterior reduces. There are three (3) bulbs under the Log Set Assembly, which generate the flames and embers, and two (2) bulbs above that illuminate the log exterior.

It is a good idea to replace all of the light bulbs at one time if they are close to the end of their rated life. Group replacement will reduce the number of times you need to open the unit to replace the light bulbs.

Upper Bulb Requirements:

A quantity of two (2) chandelier or candelabra bulbs with an E-12 (small) socket base, 15 Watt rating are required.

Do not exceed 15 Watts per bulb.

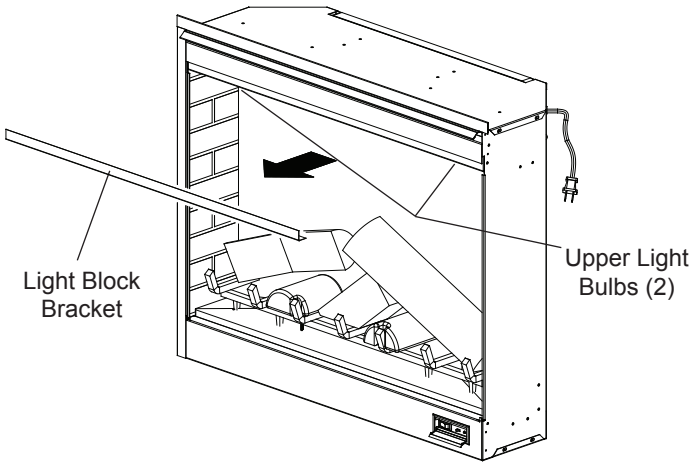
Upper Bulb Replacement Procedure

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from right side of Trim.
4. Remove Trim.
5. Slide glass to the right side of the firebox to remove (Figure 4).

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be taken when handling the glass.

6. Upper bulbs are located in the upper left and upper right corners of firebox, behind the Light Block Bracket.
7. Remove Light Block Bracket by sliding forward and to the right (Figure 5).

Figure 5



8. Unscrew bulbs counter clockwise to remove.
9. Insert new bulbs and screw in clockwise.
10. Replace Light Block Bracket.
11. Lay unit on it's back, slide Front Glass back into position and attach Trim.

Lower Bulb Requirements:

A quantity of three (3) chandelier or candelabra bulbs with an E-12 socket base, 60 Watt rating are required.

Do not exceed 60 Watts per bulb.

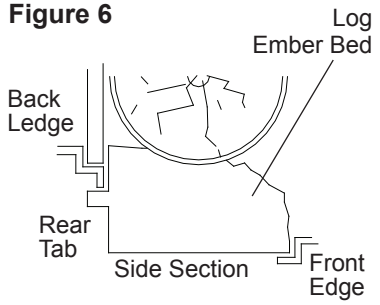
Lower Bulb Replacement Procedure

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from right side of Trim.
4. Remove Trim.
5. Slide glass to right side of firebox to remove (Figure 4).

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be taken when handling the glass.

6. Pull the front edge of the plastic Ember Bed or plastic grate up and forward until the rear tab releases from the ledge located at the bottom of the Mirror (Figure 6).

Figure 6

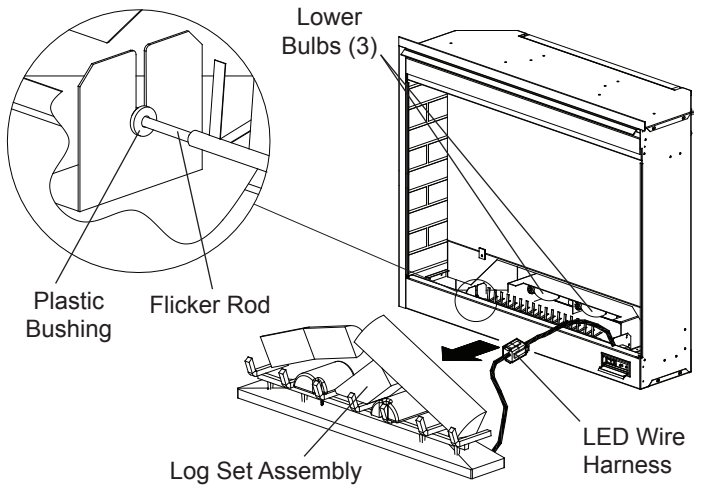


! **IMPORTANT:** Only handle the Log Set Assembly by the Ember Bed or plastic grate.

! **NOTE:** Log Set Assembly fits tightly into firebox, some force may be necessary to remove.

7. Disconnect LED harness (Figure 7).
8. Set Log Set Assembly in front of firebox.

Figure 7



! **NOTE:** Lower bulbs are accessible without moving Flicker Rod. If additional room is required, twist Plastic Bushing as shown in inset of Figure 7 until it allows the Flicker Rod to slide up from bracket. The spring on the opposite end of the Flicker Rod is flexible enough to allow Flicker Rod to be turned away, allowing greater access to bulbs.

9. Unscrew bulbs counter clockwise to remove.
10. Insert new bulbs and screw in clockwise.
11. Move Flicker Rod back into place (if applicable) and ensure Plastic Bushing is turned to lock rod in place.
14. Reconnect LED harness.
15. Install the Log Set Assembly by placing the front, bottom edge of the Ember Bed in the track behind the control panel. Once in place, push down on the back edge of the Ember Bed until the rear tab snaps into place under the Mirror (Figure 6).
16. Lay unit on it's back and slide Front Glass back into position and attach Trim.

Mirror Replacement

If the fireplace was operating prior to servicing allow at least five (5) minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Replacement Procedure

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from the right side of Trim (Figure 4, page 7).
4. Remove Trim.
5. Slide glass to right side of fireplace to remove (Figure 4).

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be taken when handling the glass.

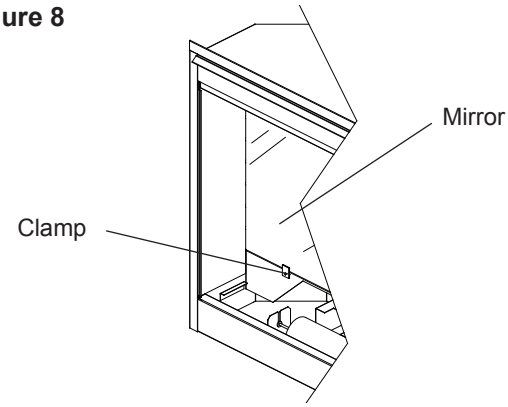
6. Pull the front edge of the plastic Ember Bed or plastic grate up and forward until the rear tab releases from the ledge located at the bottom of the Mirror (Figure 6).

! **IMPORTANT:** Only handle the Log Set Assembly by the Ember Bed or plastic grate.

! **NOTE:** Log Set Assembly fits tightly into firebox, some force may be necessary to remove.

7. Loosen but do not remove the two (2) Philips screws that clamp the Mirror in place, and swivel down so that the clamp clears the edge of the Mirror (Figure 8).

Figure 8



8. Push the Mirror out from behind to clear the frame and remove.
9. Insert replacement Mirror top end first and lay the bottom end gently in the bottom track of the frame.
10. Tighten clamps back into place and re-assemble firebox in reverse order as described above.

Main On/Off Switch and Remote Switch Board Replacement

If the fireplace was operating prior to servicing allow at least five (5) minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Replacement Procedure:

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from right side of Trim (Figure 4, page 7).
4. Remove Trim.
5. Slide glass to right side of firebox to remove (Figure 4).

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be taken when handling the glass.

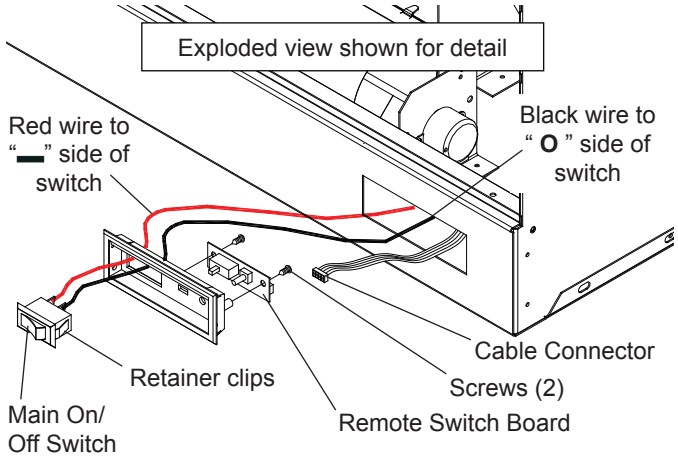
6. Pull the front edge of the plastic Ember Bed or plastic grate up and forward until the rear tab releases from the ledge located at the bottom of the Mirror (Figure 6, page 8).

! **IMPORTANT:** Only handle the Log Set Assembly by the Ember Bed or plastic grate.

! **NOTE:** Log Set Assembly fits tightly into firebox, some force may be necessary to remove.

7. Disconnect LED harness (Figure 7, page 8).
8. Set Log Set Assembly in front of firebox.
9. Disconnect the two (2) wire clips and cable connector from the rear of the switch and remote board noting their original positions (Figure 9).

Figure 9


Exploded view shown for detail
Red wire to "▬" side of switch
Black wire to " O " side of switch
Cable Connector
Retainer clips
Screws (2)
Main On/ Off Switch
Remote Switch Board

10. Using a short Phillips screwdriver, remove the two (2) screws that attach the Remote Switch Board to the switch housing from within the firebox.
11. To replace the Remote Switch Board, properly orientate the replacement board and re-attach to plastic switch housing using the two (2) screws removed in step 10.

    Re-assemble firebox following steps 1 through 9 in reverse order.

    To replace Main On/Off Switch, continue to step 12.
12. Remove the Main On/Off Switch by squeezing the two (2) retaining clips on either side of the switch and from within the firebox, then push out the front of the unit.
13. Properly orientate the replacement switch and push into place until retaining clips snap the switch into place.
14. Re-connect the two (2) wires and cable connector as shown in Figure 9 and re-assemble firebox following steps 1 through 11 in reverse order.

⚠ **CAUTION:** Internal wiring and colors may not be the same within the unit being serviced as those shown. To avoid damage to the unit, damage to property or personal injury, ensure wires are reconnected to match their original locations.

Flicker Motor/Flicker Rod Replacement

If the fireplace was operating prior to servicing allow at least five (5) minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Replacement Procedure:

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from right side of Trim (Figure 4, page 7).
4. Remove Trim.
5. Slide glass to right side of firebox to remove (Figure 4).

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be taken when handling the glass.

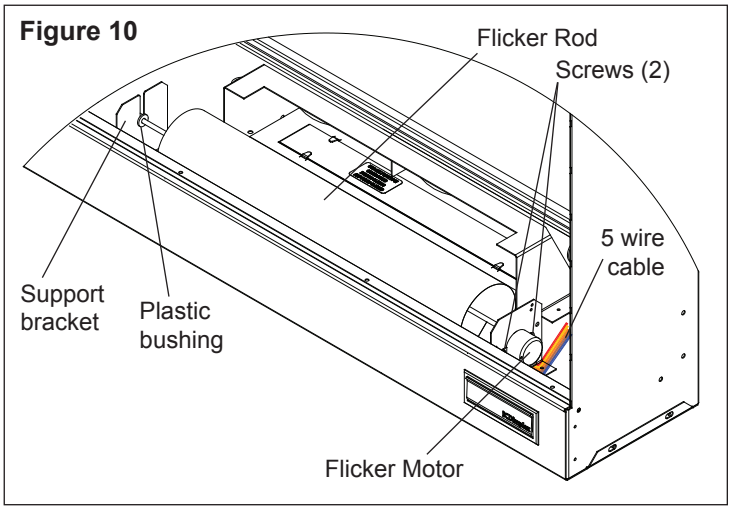
6. Pull the front edge of the plastic Ember Bed or plastic grate up and forward until the rear tab releases from the ledge located at the bottom of the Mirror (Figure 6, page 8).

! **IMPORTANT:** Only handle the Log Set Assembly by the Ember Bed or plastic grate.

! **NOTE:** Log Set Assembly fits tightly into firebox, some force may be necessary to remove.

7. Disconnect LED harness (Figure 7, page 8).
8. Set Log Set Assembly in front of firebox.
9. Locate Flicker Rod and Flicker Motor in the base assembly (Figure 10, page 10).

Figure 10



10. Turn the plastic bushing on the support bracket until it allows the Flicker Rod to slide up and out of the bracket (Figure 10).
11. Gently pull the Flicker Rod away from the motor to expand the spring attaching the Flicker Rod to the motor shaft.
12. Using side cutters, cut the spring to release the Flicker Rod.

    Do not remove the remaining spring from the Flicker Rod.
13. If replacing Flicker Rod only:
    i) Remove remaining spring from Flicker Motor shaft.
    ii) Push smaller opening of rubber sleeve from Replacement Part Kit onto the Flicker Motor shaft.
    iii) Push larger end of replacement Flicker Rod into open end of rubber sleeve.
    iv) Move plastic bushing from old to new Flicker Rod in the same position and slide rod into support bracket. Turn bushing to lock into place.
    v) Follow steps 1 through 8 in reverse order to re-assemble firebox. Otherwise continue with step 14.
14. Use a short handled Phillips screwdriver to remove the two (2) screws that attach the Flicker Motor to the bracket (Figure 10).
15. Cutting as close to the motor as possible, cut each of the five (5) colored wires leading from the Flicker Motor.
16. Discard old Flicker Motor.
17. Pick up new Flicker Motor and cut wire leads to 3 ½ inch long with wire cutters.
18. Using one of the supplied wire connectors from the Replacement Part Kit, place one (1) yellow wire from the new Flicker Motor and the yellow wire cut in step 15 into each terminal.
19. Secure the wire connector by crimping the 3M symbol with pliers.
20. Pull on end of wires to ensure a strong connection.
21. Repeat the process for the four (4) remaining wires.

    Ensure that all wires are paired by color in each connector.

! NOTE: In the event that multiple Flicker Motors were already replaced within unit, or if required wiring has been cut too short, it may be necessary to replace Flicker Motor and the attached cable as a whole.

To do so:

i) Follow steps 1 through 12 and 14.
ii) Follow steps 1 through 8 from Mirror Replacement procedure (page 8) to remove Mirror.
iii) Cut all cable ties that bind the Flicker Motor Cable and other wires together (wires and cable run behind the Mirror and up the corner of the firebox to the Remote Receiver Board).
iv) Unplug Flicker Motor Cable from Remote Receiver Board (Figure 12, page 11).
v) Discard defective Flicker Motor and cable.
vi) Plug in replacement Flicker Motor into Remote Receiver Board and run cable down back corner of the firebox, using cable clamps and ties as needed.
vii) Properly orientate and attach new Flicker Motor to bracket using screws from step 14.
vii) Re-install Mirror and continue with step 23 below.

22. Properly orientate and secure the replacement Flicker Motor to the bracket with screws removed in step 14.
23. Push smaller opening of rubber sleeve from Replacement Part Kit onto the Flicker Motor shaft.
24. Push larger end of replacement Flicker Rod into open end of rubber sleeve.
25. Move plastic bushing from old to new Flicker Rod in the same position and slide rod into support bracket. Turn bushing to lock into place.
26. Follow steps 1 through 8 in reverse order to re-assemble firebox.

Remote Control Replacement

Remote Control hand held transmitters require no replacement procedure however, a reinitialization procedure may need to be followed. Refer to Page 3 for the Remote Initialization procedure.

If the fireplace was operating prior to servicing allow at least five (5) minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Receiver Replacement Procedure:

1. Slide firebox out of mantel.
2. Lay unit on it's back for safe removal of Front Glass.
3. Remove four (4) Phillips screws from right side of Trim (Figure 4, page 7).
4. Remove Trim.
5. Slide glass to right side of firebox to remove.

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be

taken when handling the glass.

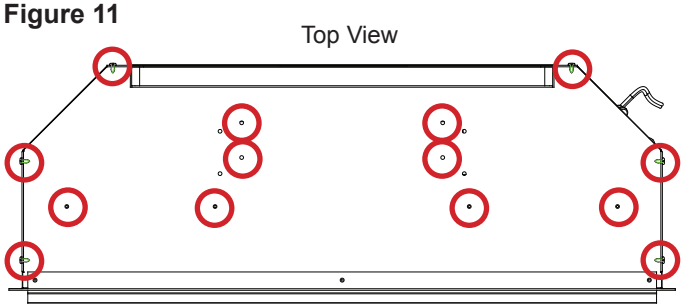
6. Pull the front edge of the plastic Ember Bed or plastic grate up and forward until the rear tab releases from the ledge located at the bottom of the Mirror (Figure 6, page 8).

! **IMPORTANT:** Only handle the Log Set Assembly by the Ember Bed or plastic grate.

! **NOTE:** Log Set Assembly fits tightly into firebox, some force may be necessary to remove.

7. Disconnect LED harness (Figure 7, page 8).
8. Set Log Set Assembly in front of firebox.
9. Loosen but do not remove the two (2) Philips screws that clamp the Mirror in place, and swivel down so that the clamp clears the edge of the Mirror (Figure 8, page 8).
10. Push the Mirror out from behind to clear the frame and remove.
11. Remove the 14 screws that attach the top panel to the firebox. There are: one (1) screw on either side of the Purifire™ filter; two (2) on each side; and a total of eight (8) on the top panel (Figure 11).

Figure 11

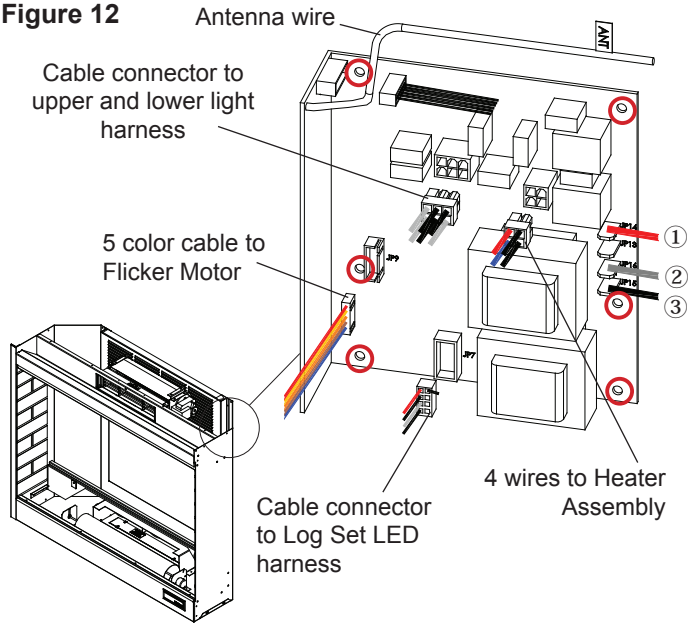


12. Remove top panel.
13. The Remote Control Receiver board is fastened to the back, right hand corner panel of the firebox by seven (7) mounting studs (Figure 12). Squeeze each mounting stud's clasp to release the circuit board from the firebox.

! **NOTE:** If mounting studs are damaged, replacement mounting studs will need to be inserted from the outside of the firebox. It is recommended to attempt to release the receiver board without cutting mounting studs.

14. Properly orientate the replacement Remote Receiver board and push it onto the seven (7) mounting studs until the clasps of the mounting studs snap the board into place.
15. Disconnect one of the wire leads from the original control board (which are still connected to parts within the firebox) and immediately connect it to the new control board's terminal, matching its position. Continue with the remaining two (2) wires and five (5) cable connectors, using the same procedure.

Figure 12


Antenna wire
Cable connector to upper and lower light harness
5 color cable to Flicker Motor
4 wires to Heater Assembly
Cable connector to Log Set LED harness
① Red wire to Main On/Off Switch
② White wire to Cutout
③ Black wire from power cord
Mounting studs (7)

⚠ **CAUTION:** Internal wiring and colors may not be the same within the unit being serviced as those shown. To avoid damage to the unit, damage to property or personal injury, ensure wires are reconnected to match their original locations.

16. Feed Antenna wire through rubber housing and out the back corner of the firebox.
17. Follow steps 1 through 12 in reverse order to re-assemble the firebox.

Heater Assembly and Cutout Replacement

If the fireplace was operating prior to servicing allow at least five (5) minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Replacement Procedure

1. Remove the firebox from the mantel.
2. Remove the 14 screws that attach the top panel to the firebox. There are: one (1) screw on either side of the Purifire™ filter; two (2) on each side; and a total of eight (8) on the top panel (Figure 11).
3. Remove top panel and Purifire™ filter (lift filter straight up and out of firebox).
4. To replace Cutout only:
   i) Remove the one (1) small Phillips screw that attaches the Cutout to the Heater Assembly as shown in Figure 13.

Figure 13

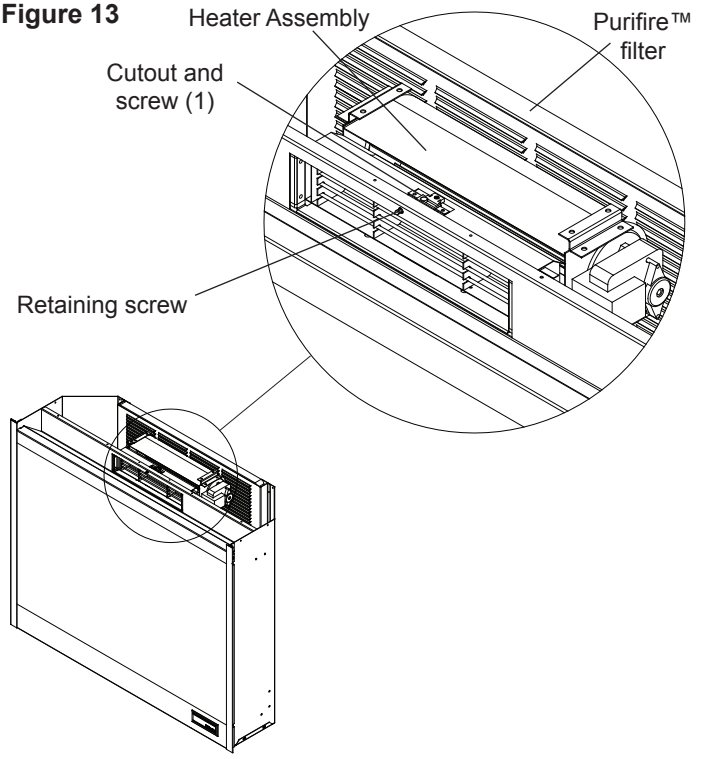
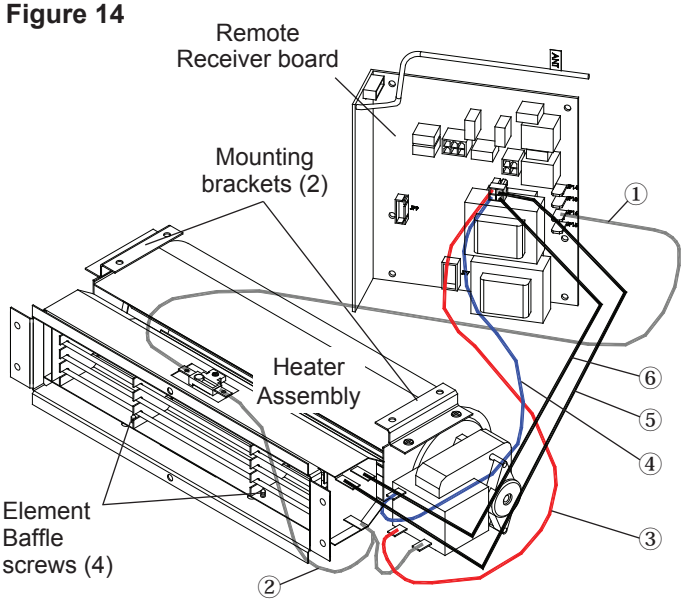


Figure 14



① Long white wire from Cutout to JP16 terminal
② Short white wire from Cutout to bottom Element terminal then piggy-back to bottom, right terminal of Motor
③ Red wire from bottom, left Motor terminal to cable connector
④ Blue wire from top Motor terminal to cable connector
⑤ Black wire from top, right of cable connector to top, front Element terminal
⑥ Black wire from bottom, right of cable connector to top, inside Element terminal

ii) Properly orientate replacement Cutout and attach to Heater Assembly with screw from step 4.

iii) Disconnect the two (2) wires from the defective Cutout (one (1) from the Remote Receiver board, and one (1) from the Heater Element with a piggy-back to the Motor), noting their original locations.

iv) Referring to Figure 14, connect the new Cutout's two (2) wires to the Remote Receiver board and Heater Element and Motor.

v) Follow steps 1 through 3 in reverse order to re-assemble firebox.

5. To replace Heater Assembly:

i) Remove the one (1) small Phillips screw that attaches the Cutout to the Heater Assembly as shown in Figure 13 and stow Cutout safely aside.

ii) Remove the Phillips retaining screw using a short handled driver. This will release the Heater Assembly from the firebox (Figure 13).

iii) With Heater Assembly in hand, remove the two (2) mounting brackets and element baffle. Two (2) Phillips screws hold each mounting bracket to the Heater Assembly and four (4) screws attach the baffle to the element (2 on top and 2 from underneath).

iv) Using screws removed in step iii, attach mounting brackets and baffle to replacement Heater Assembly.

v) Disconnect one of the wire leads from the defective Heater Assembly (which are still connected to itself and the Remote Receiver board) and immediately connect it to the new Heater Assembly's terminal, matching its position. Continue with the remaining wires using the same procedure (refer to Figure 14).

⚠ **CAUTION:** Internal wiring and colors may not be the same within the unit being serviced as those shown. To avoid damage to the unit, damage to property or personal injury, ensure wires are reconnected to match their original locations.

vi) Properly orientate replacement Heater Assembly into top of firebox and re-attach to the chassis using screw removed in step i.

vii) Re-attach Cutout to replacement Heater Assembly using small Phillips screw removed in step 1.

viii) Follow steps 1 through 3 to re-assemble firebox.

Power Cord Replacement

If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating element to cool off to avoid accidental burning of skin.

Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

Replacement Procedure:

1. Remove the firebox from the mantel.
2. Remove the 14 screws that attach the top panel to the firebox. There are: one (1) screw on either side of the Purifire™ filter; two (2) on each side; and a total of eight (8) on the top panel (Figure 11, page 11).
3. Remove top panel and Purifire™ filter (lift filter straight up and out of firebox).
4. Lay unit on it's back for safe removal of Front Glass.
5, Remove four (4) Phillips screws from the right side of

Trim (Figure 4, page 7).

6. Remove Trim.
7. Slide glass to right side of firebox to remove (Figure 4).

⚠ **CAUTION:** Even though the glass is safety glass it may break if bumped, struck of dropped. Care must be taken when handling the glass.

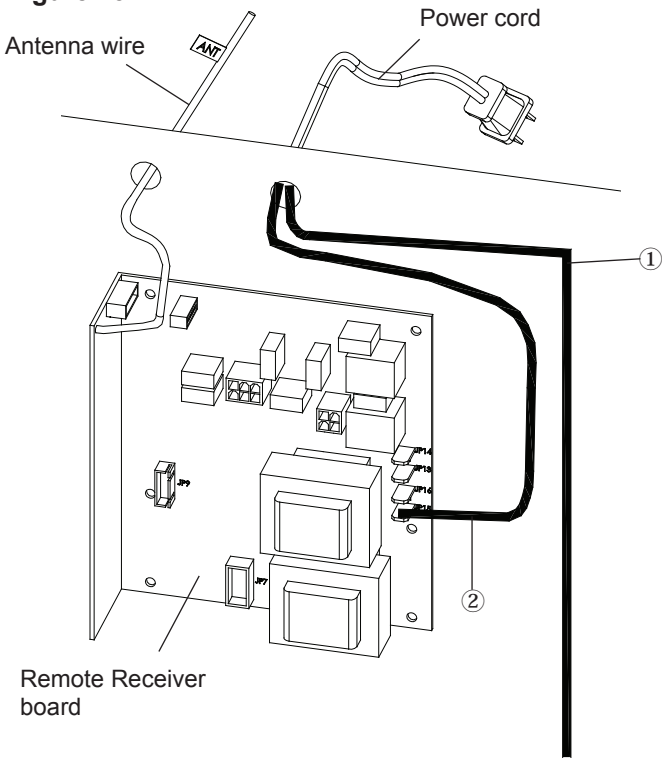
8. Pull the front edge of the plastic Ember Bed or plastic grate up and forward until the rear tab releases from the ledge located at the bottom of the Mirror (Figure 6, page 8).

! **IMPORTANT:** Only handle the Log Set Assembly by the Ember Bed or plastic grate.

! **NOTE:** Log Set Assembly fits tightly into firebox, some force may be necessary to remove.

9. Disconnect LED harness (Figure 7, page 8).
10. Set Log Set Assembly in front of firebox.
11. Loosen but do not remove the two (2) Philips screws that clamp the Mirror in place, and swivel down so that the clamp clears the edge of the Mirror (Figure 8, page 8).
12. Disconnect the black wire from the back of the Main On/Off Switch (Figure 9, page 9).
13. Cut all cable ties that bind the black wire to other cables and wires as it leads up the rear corner of the firebox.

Figure 15



① Black wire with smooth sides (from narrow blade of plug) leading to Main On/Off Switch

② Black wire with ridged sides (from wide blade of plug) leading to JP15 terminal of Remote Receiver board

14. Disconnect the black wire from the Remote Receiver board (Figure 15).
15. Using pliers, squeeze the sides of the plastic wire clamp on the Power Cord from inside the chassis and push it through the sheet metal.
16. Release clamp from the Power Cord and remove Power Cord from the firebox.
17. Run replacement Power Cord through the firebox as above and connect wire ends as described in Figure 15.
18 Leave two (2) inches of slack in cord and secure in place with clamp.
19. Follow steps 1 through 11 in reverse order to re-asseble the firebox.